

Service Bulletin No: 27-022

Ref No: 334

Modification No: -

ATA Chapter: 27

**FLIGHT CONTROLS - AILERON CONTROL SYSTEM
REPLACEMENT OF THE UNIVERSAL JOINTS IN THE FLIGHT CONTROLS****1. Planning Information****A. Effectivity**

PC-12/47E aircraft MSN 1447 thru 1450, 1461, 1462, 1466 thru 1514, 1516 thru 1520 and 1523.

PC-12 Series aircraft where the universal joints (P/N 944.61.73.012 or 527.10.12.195), purchased from March 2014 to, and including, February 2015 were installed as replacement parts.

PC-12 Series aircraft modified with the inspection kit (P/N 500.50.12.314) for the aileron control system, purchased from March 2014 to, and including, February 2015.

Universal joints (P/N 944.61.73.012 or 527.10.12.195) held as spares purchased from March 2014 to, and including, February 2015.

Inspection kits (P/N 500.50.12.314) held as spares purchased from March 2014 to, and including, February 2015.

NOTE: The inspection kit (P/N 500.50.12.314) is used for:

- SB 04-009 (Airworthiness Limitations - Life Extension to 25,000 flying hours or 30,000 landings)
- SSID Task 27-10/394 (Aileron Control System – Examine).
This task is performed initially at 32,500 flying hours or 42,000 landings, whichever comes first, and every 12,500 flying hours or 15,000 landings or 6 years whichever comes first.

B. Concurrent Requirements

None.

C. Reason

A universal joint installed between the control tube assembly and the control column malfunctioned.

D. Solution

Replace the universal joints, as defined in 1. A., with new parts ordered from Pilatus.

E. Description

This Service Bulletin gives the data and instructions necessary to replace the universal joints (P/N 527.10.12.195):

- Part A is for on-aircraft
- Part B is for parts held as spare.

F. Compliance

Mandatory.

For aircraft with less than 200 flights since new or less than 200 flights since the installation of a spare part as defined in 1. A.:

- No more than 10 flights or
- 3 months from the issue date of this Service Bulletin.

For aircraft with more than 200 flights since new or more than 200 flights since the installation of a spare part as defined in 1. A.:

- No later than 1 year after the issue date of this Service Bulletin. This Service Bulletin can be performed at annual inspection.

G. Approval

The technical content of this document is approved under the authority of DOA No. EASA. 21J. 357.

PILATUS advises operators/owners to check with their designated Airworthiness Authority for any changes, local regulations or sanctions that may affect the embodiment of this Service Bulletin.

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I. Manpower

Task	Man-hours	Man-hours At Annual Inspection
Preparation	1.0	0.0
Modification	1.0	1.0
Close-Up	1.0	0.0
TOTAL MAN-HOURS	3.0	1.0

J. Weight and Balance

No change.

K. Electrical load Data

No change.

L. Software

No change.

M. References

Aircraft Maintenance Manual (AMM)

12-B-07-10-00-00A-901A-A 12-B-20-20-01-00A-040A-A 12-B-20-31-00-00A-070A-A
12-B-24-00-00-00A-901A-A 12-B-25-10-01-00A-920A-A 12-B-27-10-00-00A-903A-A
12-B-27-30-00-00A-903A-A

N. Publications Affected

No change.

O. Interchangeability of Parts

Not interchangeable.

2. Material Information**A. Material - Price and Availability**

If you require more information about this modification, please contact us as follows:

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Operators are requested to advise Pilatus Aircraft Ltd, of the Manufacturer's Serial Number (MSN) and the flying hours of aircraft which are affected by this Service Bulletin.

B. Warranty

Credit will be issued for parts and labour for all affected aircraft on approval of a warranty claim, provided the work is accomplished by an authorised Service Center within 12 months of the issue date of this Service Bulletin.

C. Material Necessary for one Aircraft

NOTE: Part Numbers given in this Service Bulletin are correct at the time of approval. Pilatus Aircraft Ltd. reserves the right to change the part numbers as necessary. Operators are requested to check the IPC for delivered parts which differ from those listed in the Service Bulletin.